



Southern New Hampshire University



Associate in Science in Information Technology

STUDENT DATA:

NAME: ROADMAP'S DEGREE

SSN: 000-00-0000

Credit	Potential
Required	Credit

College Composition I (ENG 120) [EN023A]

3.00

(English 120 is a college-level writing course that introduces students to various forms of academic discourse. Students are required to prepare essays in a variety of rhetorical modes, including exposition, description and argumentation. In addition to out-of-class writing assignments, students will be required to compose in-class essays in response to readings and other prompts. English 120 introduces students to process-writing techniques, library research and MLA documentation procedures. The primary focus of English 120 is to help students acquire the writing skills they need to succeed in an academic environment. Enrollment is kept intentionally small, typically 15 students per section, to assure maximum benefit. Prerequisites: completion of ENG 101 or placement by the freshman writing coordinator / department chair. Offered every semester. College credit by examination may apply.)
{DANTES Code = 11.07.00}

College Composition II (ENG 121) [EN025A]

3.00

(English 121 is the sequel to English 120. This course concentrates on argumentative writing and requires students to prepare a major research report, one that reveals fluency with argumentative strategies and rhetorical conventions. In addition, students are introduced to analytical reading techniques, critical research methods and current documentation procedures. Although other kinds of writing are commonly assigned in English 121, argumentation remains the major focus of study. Enrollment in English 121 is kept intentionally small, typically 15 students per section, to assure maximum benefit. Prerequisite: ENG 120. Offered every semester. College credit by examination may apply.)
{DANTES Code = 11.07.00}

Public Speaking (ENG 212) [CM001A]

3.00

(This course is designed to help students develop abilities, including organization and delivery skills, for all speaking situations. The evaluation and improvement of voice, diction, articulation and posture also are studied. Prerequisite: ENG 120. Offered every semester. College credit by examination may apply.)
{DANTES Code = 04.10.00}

Introduction to Information Technology (IT 100) [CS001A] 3.00

(This course provides students with an entry-level foundation in computer technology. Half of the classes are lectures that cover the concepts and theory about how computers work and their uses in. The other half are held in a lab where students use computers to acquire a working knowledge of an operating system, e-mail, the Internet and the World Wide Web. In addition, the Microsoft Office programs for word processing, spreadsheets, database and presentation graphics are covered. Offered every semester. College credit by examination may apply.)

{DANTES Code = 05.02.00}

Finite Mathematics (MAT 120) [MH065A] 3.00

(This course serves to prepare students for other courses in the core curriculum and in their majors and to provide a basis for making decisions that they will encounter after graduation. Topics include solving equations; modeling with linear, quadratic, exponential and logarithmic functions; the mathematics of finance and probability. While these topics are prerequisites for more advanced mathematics, they increasingly play a part in quantitatively sophisticated discussions of difficult and controversial public policy issues. Prerequisite: competency in high school algebra. Placement in this course depends on a student's SAT math score, high school GPA and/or a mathematics placement examination administered by the mathematics faculty. (Students who have completed MAT 150 may not register for MAT 120.) Offered every semester. College credit by examination may apply.)

{DANTES Code = 14.13.00}

Discrete Mathematics (MAT 230) [MH064A] 3.00

(This course is designed to introduce students to mathematical topics which are related to the design, programming, and application of computers. Topics include propositional logic, number systems, mathematical induction, algorithms and pseudocode, encryption, matrix manipulation, combinatorics, graph theory, and finite state automata. Prerequisite: MAT 120 or MAT 150. Offered every spring.)

{DANTES Code = 14.14.00}

Human Relations in Administration (OL 125) [BU064A] 3.00

(The human relations skills that managers need to develop interaction skills that contribute directly to effective human resource management and the development of higher productivity are studied. Skill areas include leadership, motivation, communications, group dynamics, organizational development, management but objectives, and stress and time management. Students learn techniques for becoming more effective managers, subordinates, peers and persons. Students are introduced to the international aspects of human relations. Offered every semester.)

{DANTES Code = 03.13.04}

Financial Accounting (ACC 201) [AC022A] 3.00

(Financial Accounting establishes the rules and regulations for preparing accounting information used by internal and external sources to evaluate the financial health of an organization. This course will develop the student's ability to interpret financial accounting information, to

communicate this information and to understand the accounting system that produces this information. College credit by examination may apply.)
{DANTES Code = 03.01.00}

Managerial Accounting (ACC 202) [AC024A]**3.00**

(Managerial Accounting will explore the financial impact of alternative business decisions and the financial benefits of new practices. After completing this course, the student will understand how accounting and other productivity information can be used to assess the past and improve the future performance of a business by giving managers essential information they need to make more informed decisions. Prerequisite: ACC 201.)
{DANTES Code = 03.01.09}

Introduction to Software Development with Java (IT 145) [CS042A]**3.00**

(This course provides a comprehensive introduction to the object-oriented programming language, which is a totally object-oriented language, and the Java development environment to demonstrate the principles of object-oriented programming. Other languages, including Smalltalk, may be used for comparison. The course covers the Java language and the Java development environment, including the Java Software Development Kit (SDK) and Integrated Development Environment (IDE) tools. The course also covers the key concepts of object orientation, including inheritance, encapsulation, polymorphism and communication with messages. Other topics include classes and objects, base classes and class hierarchies, abstract and concrete classes. Prerequisites: IT 100 and MAT 120. Offered every year. This is a programming course.)

Hardware and Software (IT 201) [CS031A]**3.00**

(This course provides the hardware/software technology background for information systems personnel. Hardware topics include CPU architecture, memory, registers, addressing modes, busses, instruction sets and a variety of input/output devices. Software topics include operating system modules, process management, memory and file system management. Also included are basic network components and multi-user operating systems. Prerequisite: IT 100. Offered every year.)

Introduction to Systems Analysis & Design (IT 210)**3.00**

(This course provides students with the minimum level of information systems education relative to the understanding, use and roles of information systems in business organizations. The course provides graduates with the necessary competencies to ensure productivity as information systems end-users in a computer-based business environment. The course focuses on the features and concepts of productivity through information technology. Students receive instruction on the information concepts associated with the development of small business systems, effective use of information systems and the relationship between organizational structures and information systems. This foundation includes a survey of information systems theory and practice. Incorporated into the course is the practical use of applications packages relative to students' major fields of study, such as accounting, finance, marketing, hospitality, sports management, business education, management and international business operations. Team approaches are utilized. Prerequisite: IT 100.

Offered every year. Writing intensive and structured computer laboratory intensive course.)

{DANTES Code = 05.03.02}

Software Development with Visual Basic.Net (IT 225) [CS044A] 3.00

(This course introduces students to Visual Basic, an object-oriented, event-driven programming language. Emphasis is on programming for the .NET framework and the use of industry standards. Sequential access and random access files and the creation of graphical user interface (GUI) front ends for client server applications using ADO.NET connections to Microsoft Access databases are covered. Prerequisites: IT 145, MAT 230. Offered every year. This is a programming course.)

Software Development with C#.NET (IT 230) 3.00

(This course teaches how to design, implement and test applications in the C++ programming language. Topics include C++ data types, operators, functions, class and inheritance. The course introduces students to issues associated with developing real-world applications by presenting several case studies. The concepts of object-oriented design and programming are covered. Prerequisites: IT 145, IT 230, and MAT 230. Offered as needed. This is a programming course.)

Object Oriented Analysis and Design (IT 315) 3.00

(This course develops software systems engineering principles combining object-oriented design principles and methods augmented by computer assisted engineering (CASE) technology. The course involves use of the unified modeling language (UML) and, through the vehicle of a student group project, applies these elements to the system development life cycle. This course is writing intensive, as student project teams are required to submit a comprehensive project report and a PowerPoint presentation. Prerequisites: IT 210 and a programming course. Specialized Systems Development Computer Laboratory intensive and open laboratory intensive. Offered every year. Writing Intensive Course.)

Information Technology Elective 3.00

(College credit by examination may apply. Visit the SNHU website for a description of courses available.)

{DANTES Code = 05.XX.XX series}

Free Electives 12.00

(College credit by examination may apply.)

Excess or Duplicate Credit

TOTAL	60.00	0.00
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Thank you for requesting support from the U.S. Coast Guard Institute (CGI). Whereas we serve as an activity in support of your unit Educational Services Officer (ESO), you are encouraged to seek assistance from your local ESO in your academic endeavors. The following information is provided to help you understand what is presented in this degree plan:

This document is an UNOFFICIAL Degree Plan to provide you with a preliminary assessment of how your prior learning experiences might fit into the specified

degree program for this academic institution. If you choose to pursue this degree option, you must present it to a college representative, who will review it for the following:

- o Accurate representation of the college's degree program requirements, including course numbers and titles, credit hours for each course, lower- and upper-level course requirements, and the total number of credits needed for the degree.
- o Appropriate assignment of ACE Guide-recommended credit at the lower or upper level for military service schools and occupations, CLEP, DSST, and other tests, transfer credit for courses from other colleges and universities, certification programs, etc.
- o Appropriate assignment of SOC Course Category Codes from the SOC Handbook Transferability Tables. The SOC Degree Program Handbooks can be obtained from the SOC web site at: www.soc.aascu.org should you wish to learn more about the course transfer guarantees among SOC network institutions.

IMPORTANT NOTE: When you are ready to seek admission into this degree program, please contact the USCG Institute at 1-405-954-7241. Your advisor will send the college or university an official U.S. Coast Guard Institute transcript, a copy of the degree plan, and a ready-for-signature SOC Student Agreement which, when signed by a college official, becomes a contract for degree completion committing the college or university to supporting you in your academic endeavors.

Credit for all courses you have taken must be reflected on official transcripts sent directly to this college from the administrative offices of the colleges you previously attended. This degree plan is often used for information purposes by college counselors pending receipt of the official transcripts from the source colleges.

This degree plan is not intended to compete with your local college or university. Keep in mind, you are allowed to transfer in a significant amount of the degree requirements to this institution. As such, credit from local colleges, college level examination programs, or advanced military training may be applied to this degree. You may also complete the courses necessary from this college either in residence (on campus or possibly on a military base at a campus extension in the Education Center) or through distance delivery of the courses. If you have questions, please contact the college counselor or your advisor listed at the bottom of this Degree Plan.

DEGREE PLAN LEGEND:

SH = Semester hours
VOC = Vocational, not relative to an academic degree
LL = Lower Level, i.e. courses at the Freshman/Sophomore level
UL = Upper Level, i.e. courses at the Junior/Senior level
GL = Graduate Level (sometimes recommended by ACE for very complex courses)
[#] such as [EN024A] or [EN024B] = SOC Course Category Codes*
{#} such as {DANTES Code = 01.02.03} = DANTES Academic Codes **

* SOC Course Category Codes: Service members Opportunity Colleges (SOC) is a

consortium of over 1,600 accredited colleges and universities seeking to provide degree opportunities to the military. Over 170 of these institutions participate in network degree programs developed for the Army, Navy, Marine Corps, and Coast Guard. A SOC course category number beside a course from one of these institutions, such as [EN024A] or [EN024B] for English Composition, indicates that courses from other degree program institutions with the same code may be taken to satisfy the degree requirement. See the SOC Degree Programs Handbooks at <http://www.soc.aascu.org/>

**** DANTES Academic Codes:** The Defense Activity for Non-Traditional Education Support (DANTES) publishes the DANTES Independent Study Catalog (DISC) annually, which lists more than 6,000 courses from dozens of regionally accredited colleges and universities. Because this is a degree from a SOC affiliated college, the academic residency requirements are limited, thereby allowing students to transfer in a significant portion of the degree, as mentioned above. If the course you desire to take is not offered by this institution when you want to take it, consider the opportunities the courses in the DISC present. For more information, visit http://www.dantes.doded.mil/dantes_web/distancelearning/disc/front/cont.htm Keep in mind, you should always check with the counselor or academic advisor at this institution before enrolling in a course listed in the DISC to ensure it will be accepted in transfer toward this degree.

Southern New Hampshire University General Information:

Southern New Hampshire University is a private, independent institution dedicated to teaching undergraduate and graduate academic programs of high quality and to giving personal support to its students. The university develops instructional programs, which blend theory with practice, thus preparing graduates for personal growth and professional development.

Southern New Hampshire University provides its graduates with the intellectual and social foundations, which prepare them to lead fulfilling lives as competent, committed and compassionate members of a global society. As an institution dedicated to teaching, Southern New Hampshire University is accessible, innovative, and offers challenging educational experiences of high quality.

The university awards associate and bachelor's degrees in business, liberal arts and hospitality administration, as well as the associate of applied science degree in culinary arts. Southern New Hampshire University also awards master's degrees in education, business and business-related areas, liberal arts and hospitality administration. Doctoral degrees are available in community economic development and international business. Southern New Hampshire University leads in the development of educational programs and services which reflect the changing demands and needs of students and society, thus enabling graduates to compete in the global economy.

Southern New Hampshire University's Distance Education program. The fully online program, established in 1995, has grown to become the leading distance education program in New England. They offer over 300 courses and fill 7,000 "seats" in our online classrooms every year, and provide degree and certificate opportunities in over 30 programs-all regionally and nationally accredited.

The quality and accreditation of their on-line courses is the same as those offered

on-site, which means the work is the same. Students typically appreciate the quality of coursework delivered using a convenient Internet-based method, but keep in mind, if you are not prepared for college and are concerned about a site-based classroom, you should also be careful about selecting and committing to Distance Education class.

Success in academic matters stems from partnerships between students and faculty members. Students who are willing to learn will find our academic support services a valuable part of that teaching - learning partnership.

Tuition for students is: \$240 per credit hour for undergraduate, and \$453 per credit hour for graduates. (subject to change)

For more information regarding the Associate of Science in Information Technology degree, please contact:

Richard G. Ouellette
Registrar
Southern New Hampshire University
2500 North River Road
(603) 669-2211 x2113
E-mail: ouelleri@snhu.edu
<http://www.snhu.edu>

POLICY NOTES:

Residency requirement for this college is 15 semester hours of which 9 semester hours is required in the major. Distance learning courses count towards residency requirements.

Maximum credits from all forms of non-traditional education is 45 semester hours including credit-by-examination.

SNHU does not accept Excelsior Examinations.

SNHU does only accept grades of "C" or higher in transfer.

This college is rated as one of the nation's best in U.S. News & World Report's "America's Best Colleges" issue.

Evaluation completed by: Charles Morrison

On: 07 June 2007